



# MFC

Microwave Filter Company, Inc.

Creating Filters and Components to 50 Ghz for Over 50 Years!

Utilizing leading-edge technology, the model **17662** is one of the most **compact** X-band uplink filters available in the industry.

Unlike standard industry **RRFs**, this filter also rejects X-band 2nd harmonics and transmissions from these other potential sources of interference:

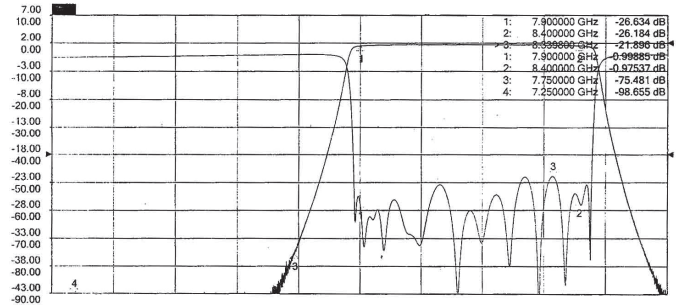
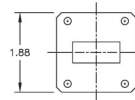
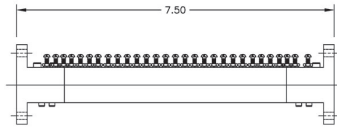
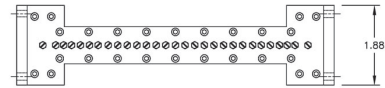
**C-band** ..... 3.4 - 6.725 GHz

**Maritime & Aeronautical Radionavigation** ..... 9 - 11 GHz

**Ku-band** ..... 10.7 - 14.5 GHz

..... Making it the **RRF** of choice at “high-density” transmit sites.

- *Compact Size - Ideal for use in confined spaces*
- *Other flange configurations are available upon request*



### Specifications:

Passband:	7.9 - 8.4 GHz
Passband Loss:	1 dB Typ
Passband Return Loss:	18 dB Min
Rejection:	80 dB Typ from DC to 7 GHz 75 dB Typ from 7.25 - 7.75 GHz 80 dB Typ from 9 - 15 GHz 10 dB Typ from 15.8 - 16.8 GHz (X-band 2nd Harmonics)
Operating Temp Range:	-30°C to +65°C
Flanges:	WR112 Cover
Weight:	0.7 lbs (0.31 Kg)
Dimensions:	7.5" x 1.88" x 1.88" (190mm x 48mm x 48mm)
Finish:	Flat Black Lacquer

**X-Band Receive Reject Filter**  
Model 17662

All MFC Products Designed and Manufactured in the USA



E-Mail: [Sales@iktechcorp.com](mailto:Sales@iktechcorp.com)